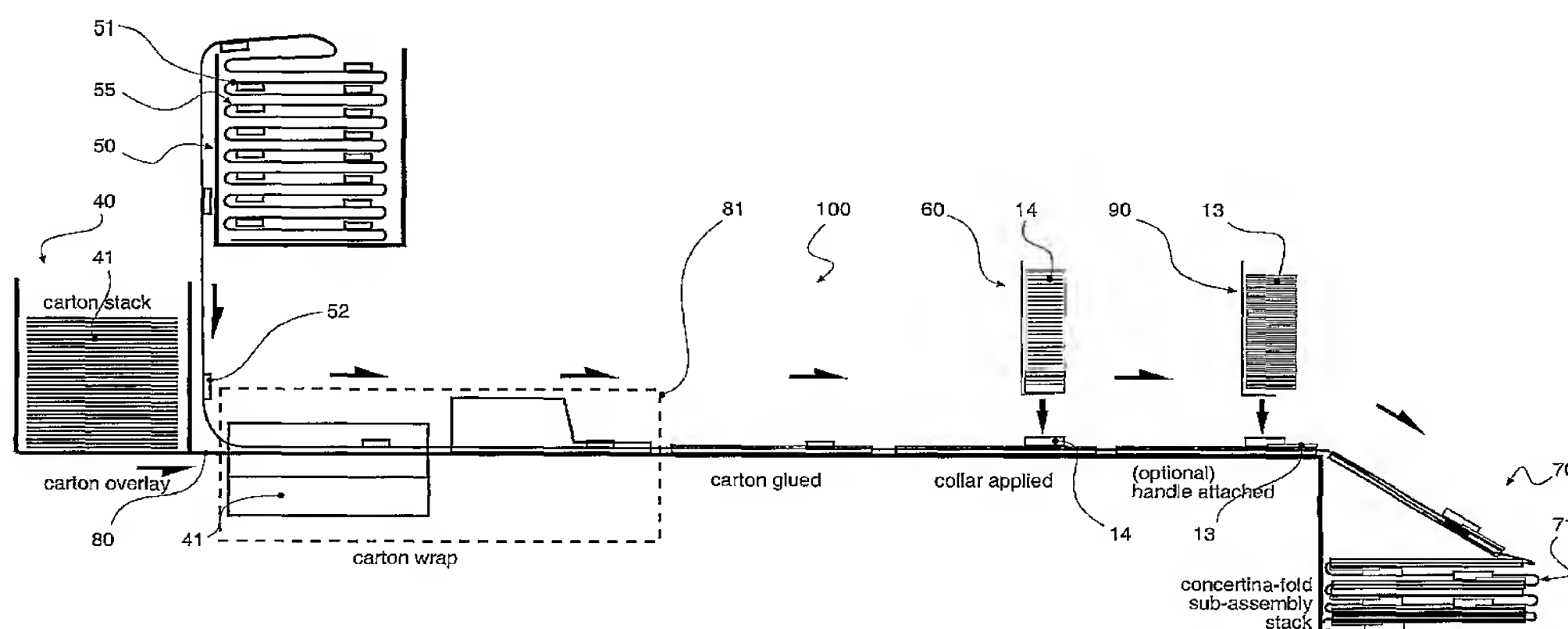




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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**(54) Title:** AUTOMATED BAG IN BOX ASSEMBLY & CONTENTS FILL



**(57) Abstract:** A BIB carton (150) conjoins a bag (12) with a carton (11) preparatory to carton fill, with an intervening locating collar (14) upon a bag neck upstand (52); an assembly and fill process brings successive individual cartons (41) into juxtaposition with a bag (51) in a continuous bag web (55), using the neck (52) for alignment and registration; a locating retention collar (14) is applied to secure bag neck (52) to carton (41), to create a sub-assembly web stack (71) of conjoined flat-pack BIB cartons (20); an inflation (test) station (110) retrieves these sub-assemblies (20) and inflates/fills them via successive valve caps (111) secured to collars (14); bag (51) inflation / fill causes carton (41) formation around it, before a taping machine closes and seals top (56, 42, 48) and bottom (57, 58) carton flaps.